

WHAT IS CLAIMED IS:

1. A heat-radiating member comprising a tourmaline layer that is formed by mixing schorl tourmaline powder having a grain diameter of 3 to 7 μm with a liquid-form fixing agent to form a coating agent, and then applying said coating agent to the surface of a base material, which is made from a metal such as copper, aluminum or the like having excellent heat conductivity, until the density of said schorl tourmaline powder is 0.25 to 0.05 grams per cm^2 , and allowing it to harden.

2. A heat-radiating member that is formed by mixing schorl tourmaline powder having a grain diameter of 3 to 7 μm with a base material made from aluminum.

3. A heat-radiating member that is formed by mixing schorl tourmaline powder having a grain diameter of 3 to 7 μm with a base material made from plastic.

4. A device such as heat exchanger or various kind of appliances wherein a heat-generating section that generates heat, and/or a heat-radiating section that radiates heat is constructed using the heat-radiating member of claim 1 or claim 2.

5. The heat-radiating member of claim 4 wherein the device constructed using said heat-radiating member is a cooling device, and said heat-radiating member is used in the heat-exchange system of said cooling device.

6. A case comprising an electric device such as a computer or hard disk drive and that is constructed using the heat-radiating member of any one of the claims 1 to 3.

7. A computer support stand on which a notebook computer is placed and that is formed into an L shape as seen from the side and on which the heat-radiating member of any one of the claims 1 to 3 is placed.

8. A method for manufacturing a heat-radiating member comprising:
a coating-agent-creation step of creating a coating agent by mixing schorl tourmaline powder having a grain diameter of 3 to 7 μm with a fixing agent; and

| | | |
|--------------------------|---|--------------------|
| Attorney Docket 3883.032 | / | Patent Application |
|--------------------------|---|--------------------|

a coating step of applying said coating agent onto the surface of a base material, which is made of a metal such as copper, aluminum or the like having excellent heat conduction, so that the density of said schorl tourmaline powder becomes 0.025 to 0.05 grams per cm².

9. A method for manufacturing a heat-radiating member wherein molten aluminum is mixed with schorl tourmaline powder, then molded and hardened into a desired shape.

10. A method for manufacturing a heat-radiating member wherein liquid plastic is mixed with schorl tourmaline powder, then molded and hardened into a desired shape.